

July 11, 2008



**US Army Corps  
of Engineers**

Louisville District



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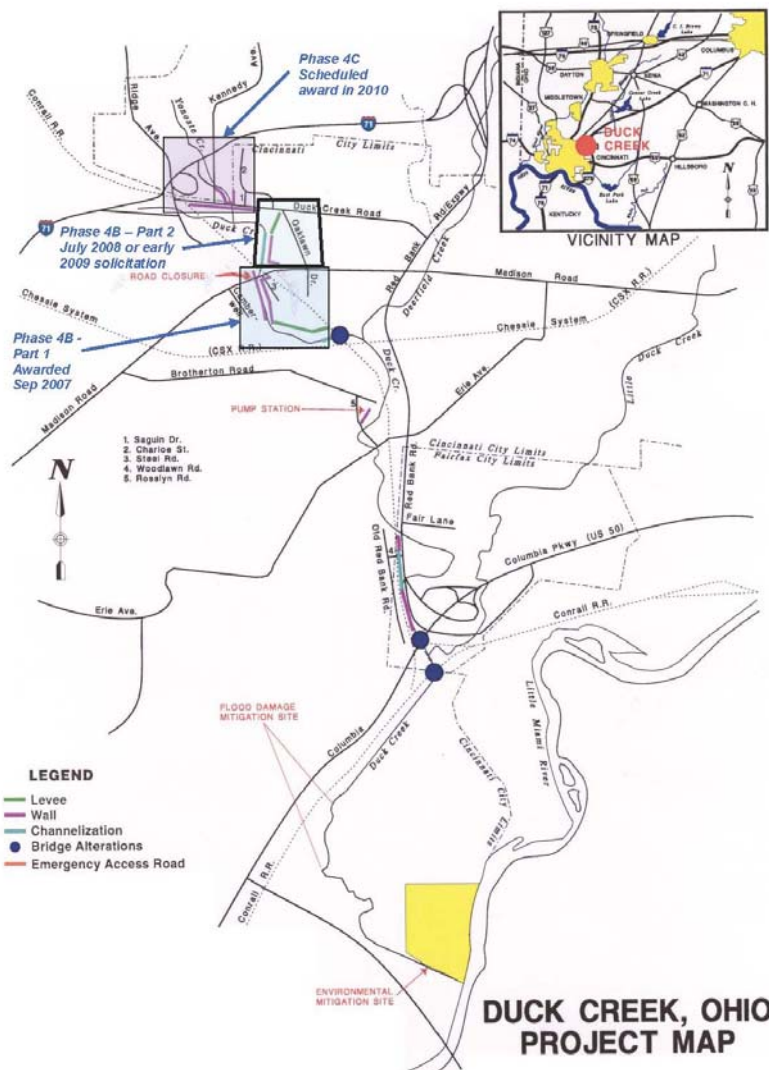
## Duck Creek Local Flood Protection Project Phase 4B – Section 2 Construction Contract City of Cincinnati, Ohio

### Location

The project begins at a point just beyond the backwater floodplain on the Ohio River, approximately 2 miles upstream of the confluence of Duck Creek with the Little Miami River, and near the corporate limits of the Village of Fairfax in Hamilton County, Ohio. The project terminates 3.2 miles upstream of this point at the Interstate Highway 71 crossing of Duck Creek in the City of Cincinnati.

### General Description of Project

Project features consist of earthen levees, concrete floodwalls, pump station, precast concrete arch culvert, automated floodgate closure, and an emergency access road. They also include replacement of a railroad bridge to provide a wider stream opening, demolition of an abandoned highway bridge, installation of a flood emergency warning system, and environmental mitigation. When completed, the project will protect existing



commercial, industrial and residential areas along Duck Creek to an annual 1 percent chance of exceedance (100-year level of protection). The project is divided into four phases. Each phase is located along different sections of the creek. Three phases are substantially complete. The fourth phase will be completed by awarding three construction contracts where shown on the map below. The first contract, Phase 4B – Section 1, was awarded in September 2007 for construction of flood damage reduction features from Madison Road southward to a railroad embankment at the end of Steel Place. This contract includes installation of an automated floodgate on Madison Road. The Corps of Engineers will soon issue a solicitation for the second contract, Phase 4B – Section 2, as described further below. The final construction contract, Phase 4C, will be awarded in early 2010, if funding permits. This section will involve construction of flood damage reduction features between Interstate 71 and the northern limits of Ilsco Corporation property along Duck Creek Road.

## **Phase 4B – Section 2 Construction Contract**

The Phase 4B – Section 2 contract will involve construction of floodwall, earthen levee, channel improvements, stormwater lines and other miscellaneous feature in the reach of Duck Creek between Madison and Duck Creek Roads. The construction activities will be awarded as a base proposal and contract option.

The *base proposal* will consist of construction activities along the Ilsco Corporation property and include the following major items of work: 1) construction of approximately 1,000 linear feet of reinforced concrete T-wall at 10 to 22 feet in height; 2) placement of approximately 4,100 cubic yards of fill material for levee embankment; 3) excavation of approximately 15,000 cubic yards of earthen material for construction of channel improvements; and 4) installation approximately 450 linear feet of an 82-inch x 128-inch reinforced concrete elliptical pipe (RCEP).

The *contract option* involves construction along CNW Inc. Major work items include demolition of an existing floodwall, construction of an additional 825 linear feet of T-wall, and construction of approximately a 4,000 square yard asphalt access drive.

If required, the optional work will be issued to the construction contractor no later than 180 calendar days after the initial notice to proceed (NTP) for the base contract work. Contract completion will be required no later than 540 calendar days after NTP, including time required to complete the potential optional items. The Corps of Engineers will solicit proposals for Phase 4B – Section 2 construction contract on or before July 25, 2008, with proposals due approximately August 28, 2008.

The contract work will be solicited as a Lowest Price Technically Acceptable (LPTA) procurement. Proposals will be evaluated based upon factors such as construction experience and past performance. The estimated cost range of this solicitation is between \$5,000,000 and \$10,000,000.

## **Project Authorization**

The Duck Creek, Ohio Local Flood Protection Project was authorized in Section 101 of the Water Resources Development Act (WRDA) of 1996, Public Law 104-303, and modified in Section 331 of WRDA 2000, Public Law 106-541.

## **Sponsors**

The non-Federal sponsors of the Duck Creek project are the City of Cincinnati, Ohio and Village of Fairfax, Ohio.

## **Schedule and Cost**

The entire project is scheduled for completion in 2011 at an estimated cost of approximately \$50 Million.